

BENJAMIN CHAU

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EDUCATION

The University of Queensland

Bachelor of Computer Science

St Lucia, QLD

Expected Jul. 2027

Relevant Coursework: Data Structures & Algorithms, Web/Mobile Programming, Web Design, Computer Systems, Information Systems, Computer Graphics and Data Analysis, Advanced Analysis of Scientific Data

Awards & Competitions: Queensland Commitment Scholar (\$28000), 2025 UQIES x UQ Union Hackathon

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, SQLite, React.js, Vue.js, TypeScript, JavaScript, HTML/CSS

Developer Tools: Git, Jira, Playwright, Swagger, Netlify, Framer, Cloudflare Workers & Durable Objects

PROFESSIONAL EXPERIENCE

Tiugo Technologies

Intern QA Engineer, TinyMCE

Brisbane City, QLD

Feb. 2025 – Present

- Conducting manual and regression testing for Tiugo's enterprise WYSIWYG editor TinyMCE, identifying and verifying **over 100 defects** per quarter across **10+ production releases**, driving release stability and platform reliability
- Developing full-stack internal testing environments using Javascript, React and HTML for pre-release plugins, enabling our team of **10+ engineers** to sanity-check features and validate editor behaviour in customer-like configurations
- Shipped an API checker into production that programmatically validates the status and behaviour of **30 endpoints**
- Published a [blog](#) viewed by **over 7000 developers** covering new API improvement with implementation steps

TECHNICAL PROJECTS

Personal Website ([Site Link](#)) | Next.js, Tailwind CSS

Jan. 2026 – Present

- Designed a minimal, responsive personal portfolio featuring an MDX-powered blog with custom interactive components such as hover-triggered image previews and embedded audio players
- Implemented a performant asset pipeline processing **20+ media assets**, using Sharp for AVIF image conversion and a preloader system to warm the browser cache, eliminating perceptible image loading delays

Avalon Night ([Repository Link](#)) | TypeScript, SQLite, Durable Objects

Feb. 2026 - Mar. 2026

- Built and published a real-time hosting app based on board game *Avalon*, leveraging WebSockets to synchronise a game state for up to 10 concurrent players per lobby with **sub-100ms latency**
- Incorporated a serverless backend using Cloudflare Workers and SQLite-based Durable Objects to orchestrate changes in the game environment and enable secure, token-based session recoveries

OzMath ([Site Link](#)) | Vue.js, LaTeX, Framer

Nov. 2024 – Dec. 2025

- Developed an AI-powered revision platform for high-school students studying mathematics in Australia, supporting **over 100 concurrent users** during the 2025 external exam period
- Designed an AI auto-grading feature that accurately evaluates user solutions by contexting relevant marking guides
- Utilised caching as a persistence layer to enable anonymous usage while preserving session data
- Engineered a lightweight TipTap plugin for users to intuitively input and edit math equations using MathQuill and LaTeX, rendered using KaTeX and scaffolded by recycled Shadcn/ui components

LEADERSHIP & VOLUNTEERING

Volleyball Coach | St Laurence's College (2025 - Present): Fostering a team-oriented, performance driven environment

Teacher Aid | Nursery Road Special School (2023): Supported teachers in assisting students with diverse learning needs

Student Volunteer | Emmanuel City Mission (2023): Prepared and served breakfast for the local homeless community